CLAIMS

What is claimed is:

- 1. A multi-chip integrated module, comprising:
 - a transparent substrate, which has a circuit layer formed on one surface of the transparent substrate, wherein the circuit layer formed on the surface of the transparent substrate comprises a circuit for electrical inter-connection and a plurality of electrical pads;
 - at least two chips, which are respectively mounted on the transparent substrate by way of a flip-chip bonding, wherein the chips and the circuit for electrical inter-connection construct a circuit system; and
 - a circuit substrate, which attaches to the transparent substrate, and at least comprises a circuit layer of the circuit substrate, wherein the electrical pads of the transparent substrate electrically connect to the circuit layer of the circuit substrate.
- 2. The multi-chip integrated module of claim 1, wherein the transparent substrate is a glass substrate.
- 3. The multi-chip integrated module of claim 1, wherein a plurality of bumps are formed on the electrical pads of the transparent substrate, respectively, for electrically connecting the electrical pads and the circuit layer of the circuit substrate.
- 4. The multi-chip integrated module of claim 1, wherein a plurality of bumps are formed on a part of the circuit for electrical inter-connection, and the chips electrically connect to the bumps by way of a flip-chip bonding.
- 5. The multi-chip integrated module of claim 3 or 4, wherein the bumps are solder

bumps.

- 6. The multi-chip integrated module of claim 3 or 4, wherein the bumps are gold bumps.
- 7. The multi-chip integrated module of claim 3, wherein the bumps are copper bumps.
- 8. The multi-chip integrated module of claim 1, wherein the circuit substrate has a hollow portion, and when the circuit substrate attaches to the transparent substrate, the chips are positioned in the hollow portion of the circuit substrate.
- 9. The multi-chip integrated module of claim 8, wherein a heat dissipation element is formed on the backside of at least one of the chips.
- 10. The multi-chip integrated module of claim 1, wherein the circuit substrate is a printed circuit substrate.
- 11. The multi-chip integrated module of claim 1, further comprising:
 - a passive component, which is formed on the transparent substrate and electrically connects to the circuit for electrical inter-connection on the transparent substrate.
- 12. The multi-chip integrated module of claim 1, further comprising:
 - an active component, which is formed on the transparent substrate and electrically connects to the circuit for electrical inter-connection on the transparent substrate.
- 13. A multi-chip integrated module, comprising:
 - a transparent substrate, which has a circuit layer formed on one surface of the transparent substrate, wherein the circuit layer formed on the surface of the

transparent substrate comprises a circuit for electrical inter-connection, and a plurality of bumps are formed on a part of the circuit for electrical inter-connection; and

- at least two chips, which electrically connect to the bumps of the circuit for electrical inter-connection by way of a flip-chip bonding, wherein the chips and the circuit for electrical inter-connection construct a circuit system.
- 14. The multi-chip integrated module of claim 13, wherein the circuit layer of the transparent substrate further comprises a plurality of electrical pads for electrical external-connection, and a plurality of bumps are formed on the electrical pads, respectively.
- 15. The multi-chip integrated module of claim 13, wherein the transparent substrate is a glass substrate.
- 16. The multi-chip integrated module of claim 13 or 14, wherein the bumps are solder bumps.
- 17. The multi-chip integrated module of claim 13 or 14, wherein the bumps are gold bumps.
- 18. The multi-chip integrated module of claim 14, wherein the bumps are copper bumps.
- 19. The multi-chip integrated module of claim 13, further comprising:
 - a passive component, which is formed on the transparent substrate and electrically connects to the circuit for electrical inter-connection on the transparent substrate.
- 20. The multi-chip integrated module of claim 13, further comprising:

an active component, which is formed on the transparent substrate and electrically connects to the circuit for electrical inter-connection on the transparent substrate.